Biotechnology production factory

New filling area, laboratory and biotechnology production site.

CLIENT

Confidential

TEAM

Patriarche (Architecture, MEP Engineering, Cost, BIM)
Partners :
IPS (trustee), Bioconseil
Credits:
3D pictures: © Patriarche

KEYPOINTS

Hemophilia injectable line.
White rooms grade C and D.
Evolvability, Possible extension.

SUSTAINABILITY

Glazing with integrated sunshades.
Green roofs on technical premises.
Solar panels.

Located in Switzerland, this production site manufactures three medicines designed to treat two types of blood-clotting disorders or deficiencies.

In constant evolution since 1996, it continues to expand with the construction of a new building dedicated to vial filling.

This new facility integrates seamlessly into the existing site, echoing its defining architectural principles: simple, white volumes with clean, refined lines.

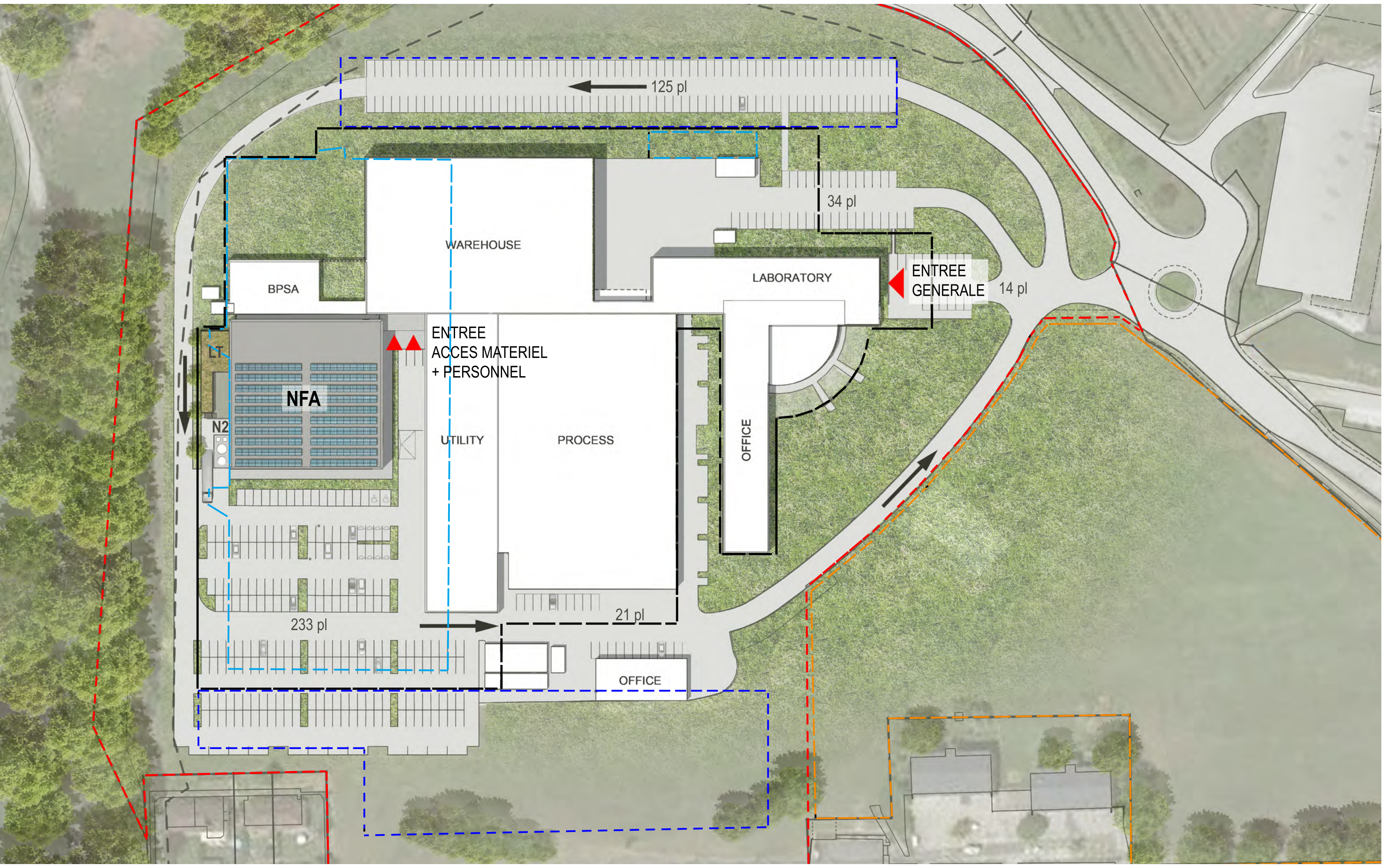
Organised over three levels, the building is clad with façades made of pre-industrialised glass elements. The process areas feature transparent façades, providing visual comfort for the teams, while the technical areas are concealed behind white-tinted glass.

The use of these pre-industrialised panels enables rapid, element-by-element installation while ensuring partial removability. This feature gives the building genuine capacity for future evolution, facilitating the introduction of large-scale process equipment or potential extensions of the facility.

Typology **R&D, Laboratories**	Construction cost **38 M€**	Status **Delivery 2024**
GFA **5 781 m²**	Location **Switzerland**	Project delivery **Private market**

Intentions - Our Approach

The new building blends into the existing site using the following architectural principles: simple, white volumes with clean lines.



The first two levels house the filling process.
With extensive glazing, they provide optimal visual comfort as well as exceptional views of the lake and the surrounding landscape. The windows are equipped with integrated blinds that ensure effective solar protection, contributing to a highly efficient energy-management strategy.

The third level, dedicated entirely to technical functions, accommodates the building’s air-handling units. Its façades are clad with white glass panels into which the intake and exhaust grilles are integrated.

Finally, the roof terrace hosts nearly 800 m² of solar panels.

An adaptable building

This production facility includes cleanrooms classified as D and C. Rectangular forms were chosen, along with a 6.75 × 9 m structural grid, in order to provide a column-free layout. This configuration allows for easy arrangement of offices or laboratories and enables the spaces to evolve according to future needs.

The removable façade system facilitates the routing of process equipment during the construction phase and ensures the adaptability of the installations throughout the building's lifespan.

This removability also offers the possibility of a future extension.

Production factory

Typology
R&D, Laboratories

GFA
5 781 m²

Construction cost
38 M€

Location
Switzerland

Status
Delivery 2024

Project delivery
Private market

MAY 2021
End of SIA 31
study phase

SEPTEMBER 2021
Urban Planning
Commission

NOVEMBER 2021
PC approval

2024
Delivery